



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H111020-D

**Mode:** Highway

**Status:** Submitted

### US-401

**From/Cross Street:** SR 1010 (Ten Ten Road)

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** US 70

**Project Category:** Regional Impact

**Length:** 5.26

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$91,984,000

#### Description:

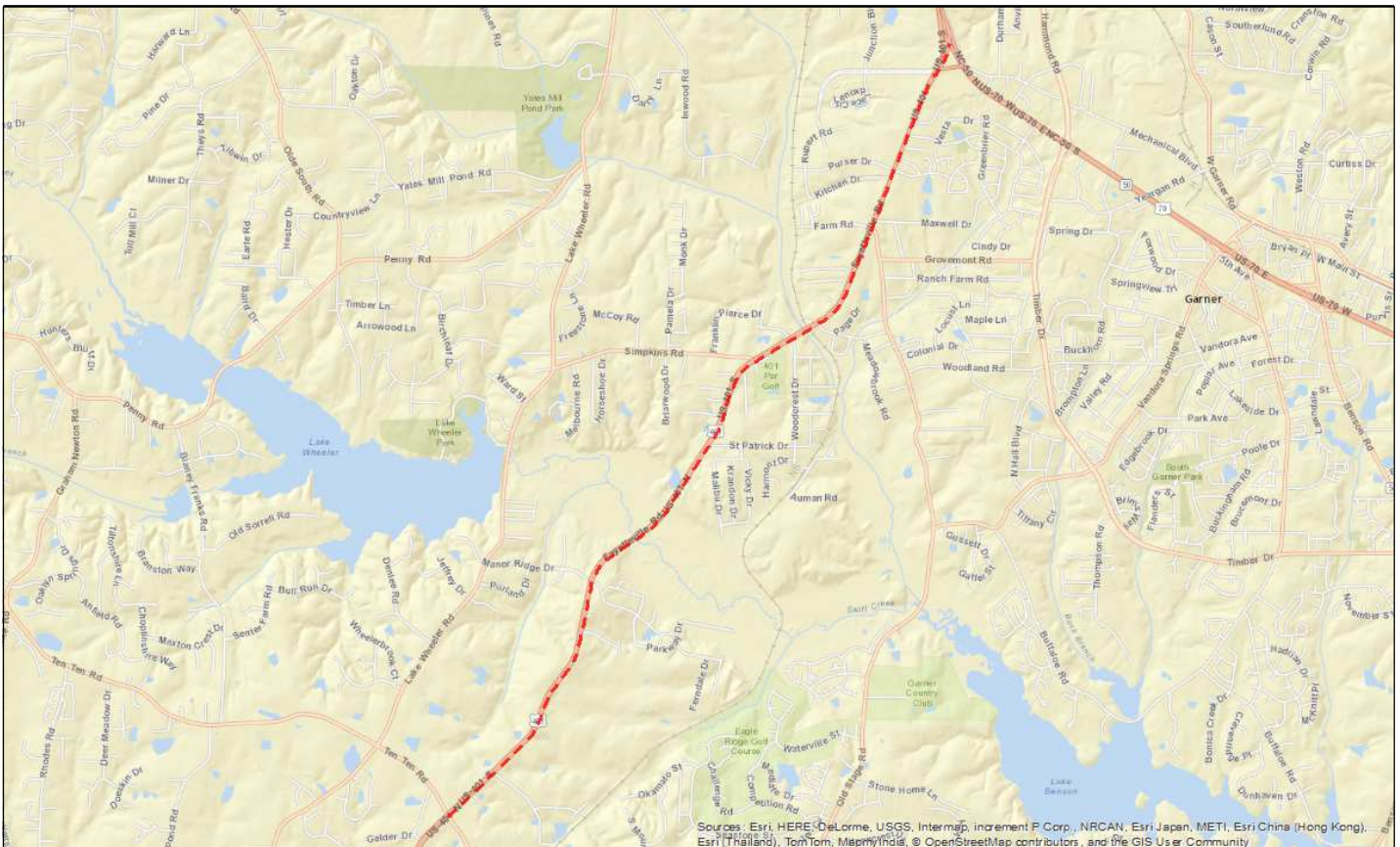
Widen Roadway to Six Lanes

**Division(s):** Division 5

**County(s):** WAKE

**MPOS(s)/RPO(s):** Capital Area MPO

### Project Location



**Statewide Mobility Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 60.97**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 73.24	Percent: 15% Points: 96	Percent: 15% Points: 100
Safety (10%) 81.36		
[Travel Time] Benefit/Cost (25%) 5.06		
Accessibility / Connectivity (10%) 38.65		
<b>Totals: Weight: 70% Weighted Score: 31.57</b>		

**Division Needs Total Score: 23.8**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 73.24	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 81.36		
[Travel Time] Benefit/Cost (20%) 5.06		
<b>Totals: Weight: 50% Weighted Score: 23.8</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	50
Length (miles):	5.26
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	3
Roadway has Curb & Gutter?	No
Volume (AADT):	31943.23
Capacity:	31700.31
Volume/Capacity Ratio:	1.01
% Autos:	95%
% Trucks:	5%
Truck Volume:	1542.88
Crash Density:	90.34
Crash Severity:	72.39
Critical Crash Rate:	81.36
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	34
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	70
Actual Congested Speed:	42.19
Travel Time Index:	1.17

**Project Benefits**

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	5.26
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	20740891.79
Travel Time Savings for 30 Years (Autos):	19739089.67
Travel Time Savings for 30 Years (Trucks):	1001802.12
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 5	100%	96	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>96</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Capital Area MPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$49,762,000	Cost Estimation Tool
Right-of-Way Cost:	\$37,698,000	Cost Estimation Tool
Utilities Cost:	\$4,524,000	Cost Estimation Tool
Total Project Cost:	\$91,984,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$91,984,000</b>	